

M A T E R I A L S A F E T Y D A T A S H E E T

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OSHA-MEETS 29 CFR 191.1200 STANDARDS

HMIS HAZARD RATINGS

CEDAR
CHEMICAL CORPORATION

HEALTH	0	0=INSIGNIFICANT
FLAMMABILITY	0	1=SLIGHT
REACTIVITY	0	2=MODERATE
		3=HIGH
		4=EXTREME

TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Not regulated. Compound, Tree or Weed Killing,
Liquid

HAZARD CLASS/DIVISION: None

REF: Not applicable

IDENTIFICATION NUMBER: None

LABEL: NONE REQUIRED

SECTION 1 - PRODUCT/COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)

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SuperWHAM! (R) CA

MANUFACTURER'S NAME

Cedar Chemical Corporation

EMERGENCY TELEPHONE NUMBER

CHEMTREC (800) 424-9300

ADDRESS (NUMBER, STREET, P.O. BOX)

5100 Poplar Avenue, Suite 2414

TELEPHONE NUMBER FOR INFORMATION

(901) 685-5348 (501) 572-3701

(CITY, STATE, AND ZIP CODE)

Memphis, Tennessee 38137

DATE PREPARED: July 20, 1995

SUPERSEDES: July 16, 1992

SECTION 2 - COMPOSITIONAL INFORMATION

HAZARDOUS COMPONENTS

(SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS#	% (OPTIONAL)	ACGIH PPM	TWA MG/M ³	STEL PPM	CEDAR PPM	SARA TITLE	RQ LBS III
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3',4'-Dichloropro-
pionanilide (Pro-
panil) (a)*

709-98-8 41.2

5 Yes

Related Propanil
reaction products

1.7

(a) A "YES" in the SARA TITLE III column indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

*Effective 1996.

(b) Indicates an employee's skin exposure shall be prevented or reduced to the extent necessary in the circumstances through the use of gloves, coveralls, goggles, or other appropriate equipment.

(c) The Workplace Hazardous Materials Information System (WHMIS), Canada's version of the Hazard Communication, has determined this product must be disclosed as a hazardous ingredient to the extent described in the regulations.

MATERIAL SAFETY DATA SHEET

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(d) Indicates the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ) or greater amounts according to 40 CFR 302.

SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE

INHALATION: Mist or spray can irritate the nose and throat.

SKIN: May be irritating to the skin upon repeated or prolonged exposure. Substance can be absorbed through the skin in harmful amounts.

EYES: Contact is moderately to strongly irritating.

INGESTION: May cause stupor, dizziness, fever, drowsiness, and blue lips and fingernails.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move subject to fresh air. Administer artificial respiration if breathing has stopped. Consult a physician.

SKIN: Remove contaminated clothing; wash affected area with soap and water. Launder contaminated clothing before reuse. If irritation persists, seek medical attention.

EYES: Flush eyes with water for 15 minutes while holding eyelids open. Seek medical attention if irritation persists.

INGESTION: If swallowed, give large quantities of water and induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

HEALTH HAZARDS (ACUTE AND CHRONIC): May be fatal if swallowed. Harmful if absorbed through the skin. Acute Oral LD₅₀ (rats) >5000 mg/kg. Acute Dermal LD₅₀ (rabbits) >2000 mg/kg. No known chronic effects have been established.

CARCINOGENICITY: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED)

No flash point. Water-based.

FLAMMABLE LIMITS

LEL:

Not applicable

UEL:

Not applicable

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EXTINGUISHING MEDIA

CO₂, water, water fog, dry chemical, and chemical foam.

SPECIAL FIRE FIGHTING PROCEDURES

Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH-approved or equivalent) and full protective gear. Runoff should be contained.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire produces noxious fumes, hydrogen chloride, chlorine, organic acids, and chloroanilines. Pesticide particulates may become airborne.

SECTION 5 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Comply with fire, explosion, safety precaution, personal protective equipment sections of this MSDS before proceeding with cleanup. Absorb material with inert material such as "oil dry" and place in suitable container. Keep out of streams, water supplies, and sewers. Contact Cedar or Chemtrec if assistance is needed. For spills in excess of allowable limits (RQ) notify the National Response Center (800) 424-8802; refer to SARA Title III, Section 313 40 CFR 372, and CERCLA 40 CFR 302 for complete regulations concerning reporting requirements.

SECTION 6 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use. Protect containers from abuse and extreme temperatures. Do not store or consume food, drink, or tobacco in areas where they may become contaminated with this material. Minimize body contact with this product as well as all chemicals in general.

SECTION 7 - EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE): Wear respirator (MSHA/NIOSH-approved or equivalent) suitable for mist or vapor concentrations encountered.

VENTILATION LOCAL EXHAUST: Required to control mist or vapor concentration.

MECHANICAL (GENERAL): Yes

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or equivalent)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Long-sleeved shirt, long pants, shoes, socks, & chemical-resistant headgear should be worn.

WORK/HYGIENIC PRACTICES: Practice safe workplace habits. Shower after handling. Wash contaminated clothing before wearing again.

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SECTION 8 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT

>212°F

SPECIFIC GRAVITY (WATER = 1)

1.164

VAPOR PRESSURE (MMHG)

<1

pH

5.0-6.9

VAPOR DENSITY (AIR = 1)

>1

EVAPORATION RATE (WATER = 1)

>1

SOLUBILITY IN WATER

Aqueous suspension

% VOLATILE (BY WEIGHT)

Approximately 50%

APPEARANCE AND ODOR

Light tan liquid. Odor similar to latex paint.

SECTION 9 - STABILITY AND REACTIVITY

STABILITY

Stable

CONDITIONS TO AVOID:

Extreme temperatures and flame.

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong acids, strong alkalies, and oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS:

Noxious fumes such as hydrogen chloride, organic acids, and chloroanilines.

HAZARDOUS POLYMERIZATION

Will not occur.

CONDITIONS TO AVOID:

None known

SECTION 10 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Incinerate pesticide or triple rinsate that cannot be used according to label directions and contaminated diking material in a permitted facility according to current local, state, and Federal regulations.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. CEDAR CHEMICAL ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.